

NASAexplores

Scavenger Hunt Answer Sheet

1. About how many times does the International Space Station orbit the Earth every day?

16 times. [Can I See the Space Station?](#)

2. List three of the four basic survivor skills astronauts must learn.

Construct a shelter, build a fire, obtain food and water, and deal with first-aid emergencies. [The Real Survivors.](#)

3. Transparent polycrystalline alumina (TPA), which was developed for tracking heat-seeking missiles, is also used to make what dental devices?

Invisible braces. [What Can I Wear Today?](#)



4. "A _____ is when you zone out a bit, like when you're driving and you go blank, or your mind wanders and you suddenly find yourself at your destination."

Micro event. [Keep Awake!](#)

5. IVHM is a system that lets a vehicle diagnose its own problems. What does IVHM stand for?

Integrated Vehicle Health Management. [Say Aahh.](#)

6. Some of the IVHM systems are already being test flown. On Shuttle mission STS-101 (flown in May 2000), the Shuttle carried a μ WIS. What does μ WIS stand for?

Micro-Wireless Instrumentation System. [Say Aahh.](#)



7. On the Space Station, WORF is not a Klingon but an acronym for what?

Window Observation Research Facility. [Room with a View.](#)



8. The Multifunctional Electronic Display System (MEDS), which made its debut aboard Space Shuttle Atlantis with the STS-101 mission in May 2000, has nine active-matrix liquid crystal displays (AMLCD) on the forward flight deck and two on the aft flight deck. How many conventional gauges do the AMLCDs replace?
32 conventional gauges. [Glass Cockpit.](#)
9. Where did the term "aeronautics" come from?
***It comes from France, but is a combination of the Greek words "air" and "to sail."* [Trivia](#), "Aeronautics" (3/15/2001).**
10. How many schools in America are named after John Glenn?
10 schools. [Trivia](#), "School Names" (5/31/2001).
11. Who was president when the Wright Brothers made their first successful flight at Kitty Hawk?
Theodore Roosevelt. [Trivia](#), "Presidents in Flight" (2/21/2001).
12. True/False: Destiny Lab was built in the same building as the Saturn V rockets that launched the Apollo missions.
True. [Trivia](#), "Destiny Lab Built at MSFC" (2/8/2001).
13. What was the name of the Apollo 10 lunar module?
Snoopy. [Trivia](#), "Apollo 10 Module Names" (3/29/2001).
14. Driving at 75 miles per hour, how many days would it take to drive around one of Saturn's rings?
258 days. [Trivia](#), "Getting There" (5/31/2001).
15. LED therapy has been used successfully with diabetic skin ulcers, burns, and severe oral sores caused by cancer treatment. What does LED stand for?
Light Emitting Diodes. [Healing Light.](#)
16. Two NASA scientists from Ames Research Center in California have developed a special program to help astronauts control their symptoms of space motion sickness. What is this special program called, and what is its acronym?
Autogenic Feedback Training (AFT). [Motion Sickness: It's All In Your Head.](#)
17. How many spaces does Destiny Lab have for equipment racks? How many of those are available for research projects?
24 spaces for equipment racks, 13 are available for research. [Doing Science on the Other Side of the Sky.](#)



18. True/False: The convection oven on the Space Shuttle gets hot enough to boil water.

False. [No Pizza in Space?](#)

19. "Computers can predict how certain systems should behave, Litton says, but you never know for sure until you do a _____. Testing a system can validate the prediction, or it can also point out where the prediction was wrong."

Real test. [From SATs to Satellites.](#)

20. In earlier spacecraft (Mercury, Gemini, and Apollo), the space capsules were protected during re-entry by shedding layers of a heavy, resinous heat shield through a process called what?

Ablation. [Going to Extremes.](#)

